ADVANCED TORQUE READOUT & SCREW COUNTING SYSTEM

ISO 9001

Certificate TW04/02301

NEW PRODUCTS

INDUSTRY 4.0

Big Data	Tool Operation Control
Production Line Control	Work Piece/Station Control

SUMAKE®

MAKE JOBS BETTER THAN EVER

Lever Start Type

Lever Start Type
EA-BNK760L/C6 ~ EA-BNK7120L/C6
Push to Start Type
EA-BNK760P/C6 ~ EA-BNK7120P/C6

Push to Start Type

Lever Start Type
EA-BANK960L/C6 ~ EA-BANK9500LW/C6
Push to Start Type
EA-BANK960P/C6 ~ EA-BANK9500PW/C6

Angle Type
EA-BANKA950L/C6 ~
EA-BANKA9220L/C6

Specifications :

Power Supply	Model No.	Torque Range			Unloaded Speed ±10% (r.p.m.)		Available Screw				Weight		Length		Power Source	Power Consumption	Bit Type
							Machine Screw(ø)		Tapping Screw(ø)								
		kgf-cm	lbf-in	N.m	Hi	Lo	mm	in	mm	in	g	lb	mm	in			
Lever Start Type (High Torque range)																	
	EA-BNK760L/C6	20.4~61.2	17.7~53.11	2~6	1000	750	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	1030	2.27	308	12.1	DC40V	150W	B HEX 6.35mm / W 3/8" Square
	EA-BNK790L/C6	30.6~91.8	26.55~79.66	3~9	1000	750	≤6	≤0.23	≤ 5	≤ 0.19	1030	2.27	308	12.1	DC40V	150W	
	EA-BNK7120L/C6	61.2~122.4	53.11~106.21	6~12	880	660	≤8	≤0.32	≤ 6	≤ 0.23	1030	2.27	308	12.1	DC40V	150W	
	EA-BANK960L/C6	20.4~61.2	17.7~53.11	2~6	1200	900	4.0~5.0	0.16~0.20	≤4	≤0.16	1250	2.75	315	12.4	DC40V	100W	
	EA-BANK990L/C6	30.6~91.8	26.55~79.66	3~9	900	680	5.0~6.0	0.20~0.23	≤4.5	≤0.18	1250	2.75	315	12.4	DC40V	120W	
	EA-BANK9120L/C6	40.8~122.4	35.4~106.21	4~12	600	450	≤8	≤0.32	≤6	≤0.23	1250	2.75	315	12.4	DC40V	120W	
	EA-BANK9120LH/C6	40.8~122.4	35.4~106.21	4~12	880	660	≤8	≤0.32	≤6	≤0.23	1250	2.75	315	12.4	DC40V	150W	
	EA-BANK9180L/C6	61.2~183.6	53.11~159.32	6~18	370	280	≤10	≤0.4	≤8	≤0.32	1250	2.75	315	12.4	DC40V	150W	
	EA-BANK9180LH/C6	61.2~183.6	53.11~159.32	6~18	600	450	≤10	≤0.4	≤8	≤0.32	1250	2.75	315	12.4	DC40V	150W	
	EA-BANK9250L/C6	81.6~255	70.81~221.28	8~25	370	280	≤10	≤0.4	≤8	≤0.32	2200	4.84	380	15.1	DC40V	150W	
	EA-BANK9250LH/C6	81.6~255	70.81~221.28	8~25	550	410	≤10	≤0.4	≤8	≤0.32	2200	4.84	380	15.1	DC40V	150W	
	EA-BANK9350L/C6	122.4~357	106.21~309.8	12~35	350	260	≤10	≤0.4	≤8	≤0.32	2200	4.84	380	15.1	DC40V	150W	
	EA-BANK9350LW/C6	122.4~357	106.21~309.8	12~35	350	260	-	-	-	-	2200	4.84	380	15.1	DC40V	150W	W 3/8" Square
	EA-BANK9500LW/C6	204~510	177~442.56	20~50	200	150	-	-	-	-	2200	4.84	380	15.1	DC40V	150W	W 1/2" Square
Push to Start Type (High Torque range)																	
	EA-BNK760P/C6	20.4~61.2	17.7~53.11	2~6	1000	750	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	1030	2.27	308	12.1	DC40V	150W	B HEX 6.35mm / W 3/8" Square
	EA-BNK790P/C6	30.6~91.8	26.55~79.66	3~9	1000	750	≤6	≤0.23	≤ 5	≤ 0.19	1030	2.27	308	12.1	DC40V	150W	
	EA-BNK7120P/C6	61.2~122.4	53.11~106.21	6~12	880	660	≤8	≤0.32	≤ 6	≤ 0.23	1030	2.27	308	12.1	DC40V	150W	
	EA-BANK960P/C6	20.4~61.2	17.7~53.11	2~6	1200	900	4.0~5.0	0.16~0.20	≤4	≤0.16	1250	2.75	315	12.4	DC40V	100W	
	EA-BANK990P/C6	30.6~91.8	26.55~79.66	3~9	900	680	5.0~6.0	0.20~0.23	≤4.5	≤0.18	1250	2.75	315	12.4	DC40V	120W	
	EA-BANK9120P/C6	40.8~122.4	35.4~106.21	4~12	600	450	≤8	≤0.32	≤6	≤0.23	1250	2.75	315	12.4	DC40V	120W	
	EA-BANK9120PH/C6	40.8~122.4	35.4~106.21	4~12	880	660	≤8	≤0.32	≤6	≤0.23	1250	2.75	315	12.4	DC40V	150W	
	EA-BANK9180P/C6	61.2~183.6	53.11~159.32	6~18	370	280	≤10	≤0.4	≤8	≤0.32	1250	2.75	315	12.4	DC40V	150W	
	EA-BANK9180PH/C6	61.2~183.6	53.11~159.32	6~18	600	450	≤10	≤0.4	≤8	≤0.32	1250	2.75	315	12.4	DC40V	150W	
	EA-BANK9250P/C6	81.6~255	70.81~221.28	8~25	370	280	≤10	≤0.4	≤8	≤0.32	2200	4.84	380	15.1	DC40V	150W	
	EA-BANK9250PH/C6	81.6~255	70.81~221.28	8~25	550	410	≤10	≤0.4	≤8	≤0.32	2200	4.84	380	15.1	DC40V	150W	
	EA-BANK9350P/C6	122.4~357	106.21~309.8	12~35	350	260	≤10	≤0.4	≤8	≤0.32	2200	4.84	380	15.1	DC40V	150W	
	EA-BANK9350PW/C6	122.4~357	106.21~309.8	12~35	350	260	-	-	-	-	2200	4.84	380	15.1	DC40V	150W	W 3/8" Square
	EA-BANK9500PW/C6	204~510	177~442.56	20~50	200	150	-	-	-	-	2200	4.84	380	15.1	DC40V	150W	W 1/2" Square
Angle -Lever Start Type (High Torque range)																	
	EA-BANKA950L/C6	20.4~51	17.7~44.25	2~5	1200	900	≤5	≤0.20	≤4	≤0.16	2500	5.5	393	15.4	DC40V	100W	B HEX 6.35mm / W 3/8" Square
	EA-BANKA975L/C6	30.6~76.5	26.55~66.37	3~7.5	900	680	≤6	≤0.23	≤4.5	≤0.18	2500	5.5	393	15.4	DC40V	120W	
	EA-BANKA9100L/C6	61.2~102	53.1~88.5	6~10	600	450	≤8	≤0.32	≤6	≤0.23	2500	5.5	393	15.4	DC40V	120W	
	EA-BANKA9100LH/C6	61.2~102	53.1~88.5	6~10	880	660	≤8	≤0.32	≤6	≤0.23	2500	5.5	393	15.4	DC40V	150W	
	EA-BANKA9150L/C6	81.6~153	70.8~132.75	8~15	370	280	≤10	≤0.4	≤8	≤0.32	2500	5.5	393	15.4	DC40V	150W	
	EA-BANKA9150LH/C6	81.6~153	70.8~132.75	8~15	600	450	≤10	≤0.4	≤8	≤0.32	2500	5.5	393	15.4	DC40V	150W	
	EA-BANKA9220L/C6	122.4~224.4	106.2~194.7	12~22	370	280	≤10	≤0.4	≤8	≤0.32	2500	5.5	393	15.4	DC40V	150W	

Brushless Power Supply Table

Code	Model		Operating vol. (AC)	Output vol. (DC)	Output Capacity	Dimension (mm)	Weight	Approval		N° Pin	Recommend Model
								STD	OPT		
3		SP-B32HL62T/C6	100V-240V	24V;32V	Low/Hi Max 1.8A	200x80x66	0.46KG	RoHS	ETL, CE	6 PIN	
4		SP-B40HL501T/C6	100V-240V	30V;40V	Low/Hi Max 5A	213x135x70	1.95KG	ETL, CE, RoHS	X	6 PIN	
5		SP-B40HL801T/C6	115V-230V	30V;40V	Low/Hi Max 9A	213x135x70	1.95KG	ETL, CE, RoHS	X	6 PIN	

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Lever Start Type
EA-BNK203L/C6 ~ EA-BNK210L/C6

Lever Start Type

Lever Start Type
EA-BNK412L/C6 ~ EA-BNK419L/C6

Push to Start Type
EA-BNK412P/C6 ~ EA-BNK419P/C6

Specifications :

Power Supply	Model No.	Torque Range			Unloaded Speed ±10% (r.p.m.)		Available Screw				Weight		Length		Power Source	Power Consumption	Bit Type
							Machine Screw(ø)		Tapping Screw(ø)								
		kgf-cm	lbf-in	N.m	Hi	Lo	mm	in	mm	in	g	lb	mm	in			
Lever Start Type (Low Torque range)																	
	EA-BNK203L/C6	0.2~3.5	0.17~3.04	0.02~0.34	1000	700	1.0~2.3	0.04~0.09	1.0~2.0	0.04~0.08	400	0.88	205	8.07	DC24V/32V	25W	B HEX 6.35mm
	EA-BNK207L/C6	0.5~7.0	0.43~6.08	0.05~0.69	1000	700	1.4~2.6	0.06~0.10	1.4~2.3	0.06~0.09	400	0.88	205	8.07	DC24V/32V	25W	C Ø4mm
	EA-BNK210L/C6	1.0~10	0.87~8.68	0.10~0.98	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	400	0.88	205	8.07	DC24V/32V	25W	
	EA-BNK412L/C6	1.5~12	1.3~10.42	0.15~1.18	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	A HEX 5mm
	EA-BNK412LH/C6	1.5~12	1.3~10.42	0.15~1.18	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	B HEX 6.35mm
	EA-BNK417LH/C6	3.0~17	2.6~14.76	0.29~1.67	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	C Ø4mm
	EA-BNK419L/C6	3.0~19	2.6~16.49	0.29~1.86	1000	700	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	540	1.19	240	9.45	DC24V/32V	55W	D Ø5mm
Push to Start Type (Low Torque range)																	
	EA-BNK412P/C6	2.0~12	1.74~10.42	0.20~1.18	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	A HEX 5mm
	EA-BNK412PH/C6	2.0~12	1.74~10.42	0.20~1.18	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	B HEX 6.35mm
	EA-BNK417PH/C6	3.0~17	2.6~14.76	0.29~1.67	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	C Ø4mm
	EA-BNK419P/C6	3.0~19	2.6~16.49	0.29~1.86	1000	700	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	540	1.19	240	9.45	DC24V/32V	55W	D Ø5mm

Lever Start Type

Lever Start Type
EA-BNK630L/C6 ~ EA-BNK650L/C6

Push to Start Type
EA-BNK630P/C6 ~ EA-BNK650P/C6

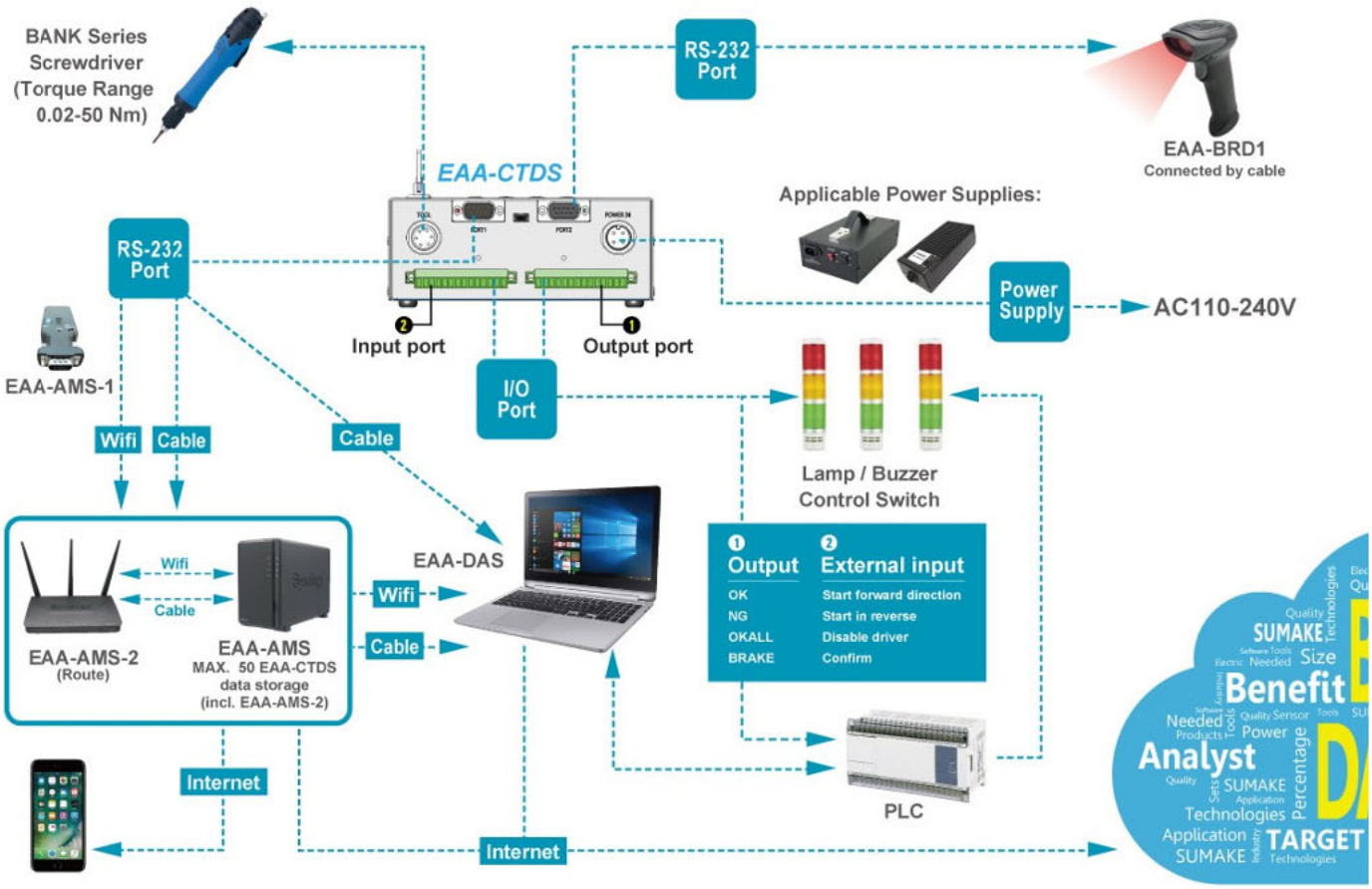
Top cable connection:
EA-BTNK630LU/C6 ~ EA-BTNK670LU/C6

Bottom cable connection:
EA-BTNK630LD/C6 ~ EA-BTNK670LD/C6

Specifications :

Power Supply	Model No.	Torque Range			Unloaded Speed ±10% (r.p.m.)		Available Screw				Weight		Length		Power Source	Power Consumption	Bit Type
							Machine Screw(ø)		Tapping Screw(ø)								
		kgf-cm	lbf-in	N.m	Hi	Lo	mm	in	mm	in	g	lb	mm	in			
Lever Start Type (Medium Torque range)																	
	EA-BNK630L/C6	10~30	8.68~26.04	0.98~2.94	1000	750	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	800	1.77	275	10.82	DC40V	90W	A HEX 5mm
	EA-BNK650L/C6	20~50	17.36~43.4	1.96~4.90	1000	750	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	800	1.77	275	10.82	DC40V	120W	B HEX 6.35mm
	EA-BTNK620L/C6	3.06~20.4	2.6~17.7	0.3~2.0	1200	900	2.3~3.5	0.09~0.13	2.3~3.0	0.09~0.12	700	1.54	185	7.28	DC40V	50W	
	EA-BTNK625LH/C6	5.10~25.5	4.42~22.1	0.5~2.5	2500	1800	2.0~4.0	0.08~0.15	2.0~3.5	0.08~0.13	700	1.54	185	7.28	DC40V	50W	
	EA-BTNK630L/C6	8.16~30.6	7.1~26.5	0.8~3.0	1200	900	2.6~4.0	0.10~0.15	2.6~3.5	0.10~0.13	700	1.54	185	7.28	DC40V	50W	A HEX 5mm
NEW	EA-BTNK630LH/C6	8.16~30.6	7.1~26.5	0.8~3.0	1700	1200	2.6~4.0	0.10~0.15	2.6~3.5	0.10~0.13	700	1.54	185	7.28	DC40V	50W	B HEX 6.35mm
	EA-BTNK650L/C6	20.4~51	17.7~44.2	2~5	700	530	4.0~5.0	0.15~0.19	≤4	≤0.16	700	1.54	185	7.28	DC40V	50W	
NEW	EA-BTNK650LH/C6	20.4~51	17.7~44.2	2~5	1000	700	4.0~5.0	0.15~0.19	≤4	≤0.16	700	1.54	185	7.28	DC40V	50W	
NEW	EA-BTNK670L/C6	25.5~71.3	22.1~61.9	2.5~7	850	600	5.0~6.0	0.19~0.23	≤5	≤0.20	700	1.54	185	7.28	DC40V	50W	
Push to Start Type (Medium Torque range)																	
	EA-BNK630P/C6	10~30	8.68~26.04	0.98~2.94	1000	750	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	800	1.77	275	10.82	DC40V	90W	A HEX 5mm
	EA-BNK650P/C6	20~50	17.36~43.40	1.96~4.90	1000	750	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	800	1.77	275	10.82	DC40V	120W	B HEX 6.35mm

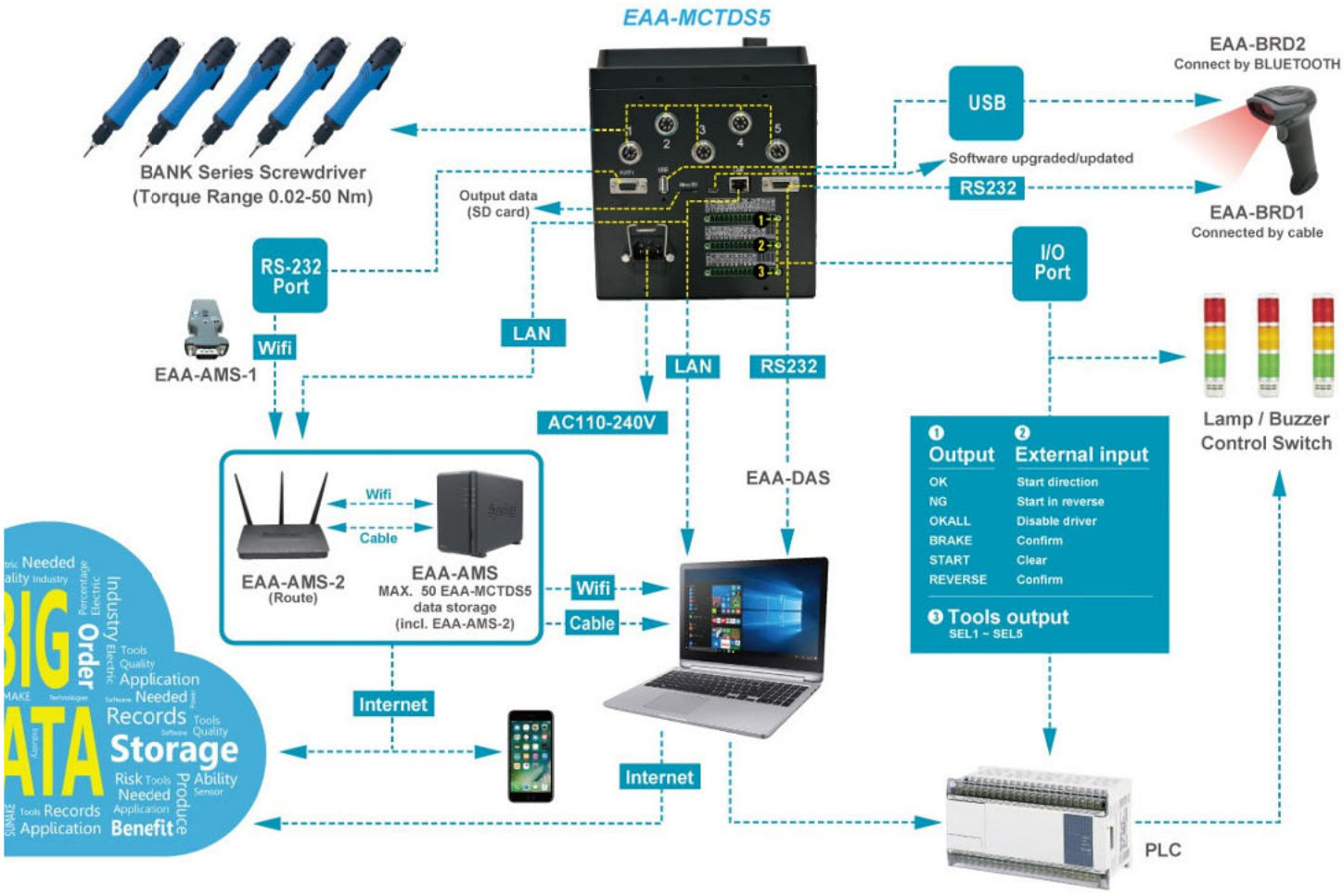
ADVANCED TORQUE READOUT & Screw Counting System



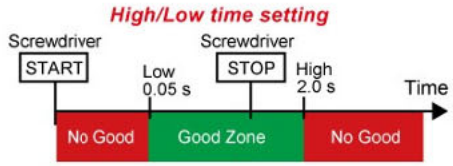
Specifications

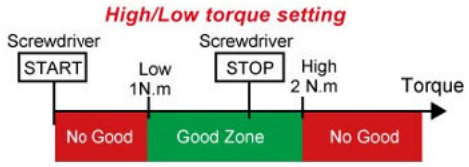
Model	EAA-CTDS	EAA-MCTDS5
# of Screwdriver	1	1 ~ 5
Input Voltage	DC 32V/40V	DC 100V ~ 240V
Power Supply	External	Integrated
I/O Output Voltage	DC 24V 50mA / 12V 100mA	
Screw Count	1 ~ 99	
Count Method	Count-up / Count-down	
High/Low time setting	0.00 - 9.99 sec	0.000 - 9.999 sec
High/Low torque setting	0.00 - 55.00 N-m	00.00 - 55.00 N-m
High/Low thread setting	0.0 - 999.9 (number of turns)	000.00 - 999.9 (number of turns)
Slow Start Setting Time	0 ~ 9.9 seconds	
Slow Start Speed Setting	L0: 100%, 10% ~ 90% L1 ~ L9 Rated speed	
Detection Stop Time	0.1 ~ 9.9 seconds	
Detection Torque Value	0.02 ~ 55 N-m	
Detection Screw Thread Number	0.0 ~ 999.9	
Work With Sensor	ON / OFF	
Gate Sensor	ON (2 Sensors) / OFF (1 Sensor)	
External Input Signals	Forward / Reverse / Disable / Confirm	
Output Singals	OK / NG / OK ALL / STOP	
Serial interface	RS-232 x 2	
System	EAA-DAS / EAA-AMS	
External Dimentions (mm)	155(L) x 120(W) x 60 (H)	185(L) x 215(W) x 311 (H)
Weight	0.62 kg (1.37 lbs.)	4.2kg (9.25 lbs.)
Accessories	Power cable x 1; Key x 2	

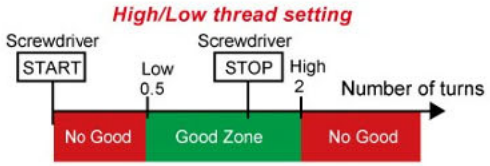
SUMAKE®



Process Chart:







Feature

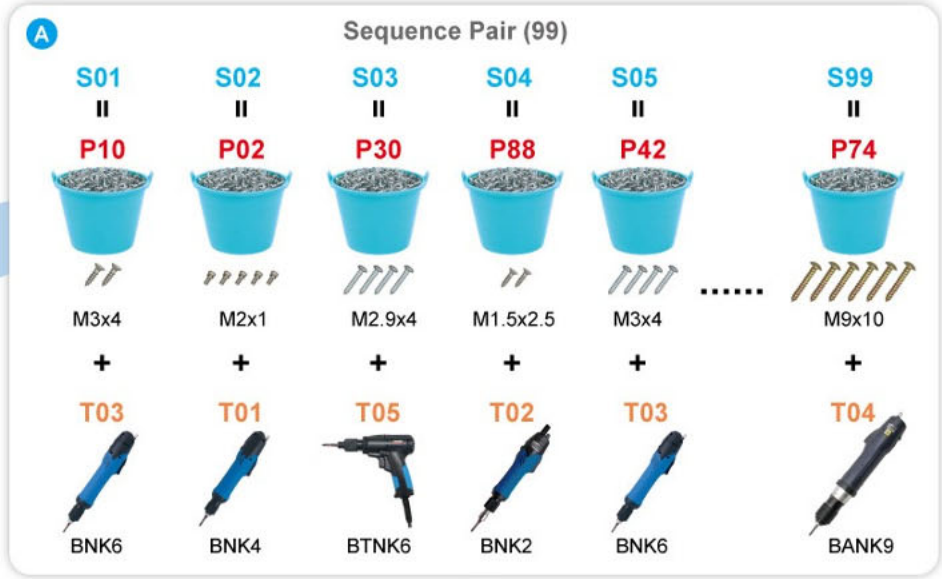
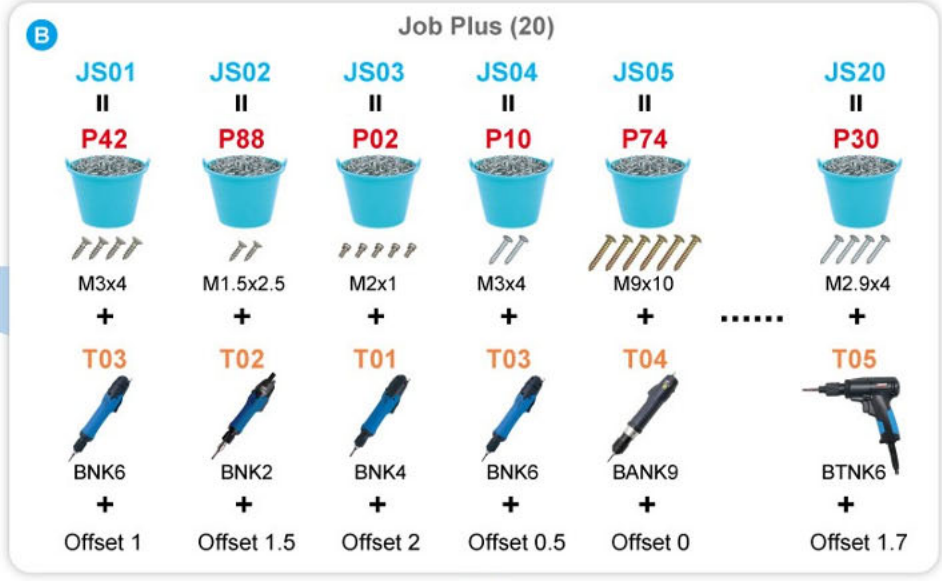
Model	EAA-CTDS	EAA-MCTDS5
Dual display interface (4 digits and 7 segment)	■	■
Display size	16 x 2	24 x 4
Password/key level security	■	■
99 Program setup	■	■
99 sequence setup		■
Counting preference setup (count up / count down)	■	■
Torque unit (kgf.cm/N.m/lbf.in/kgf.m)	■	■
Slow start time setup	■	■
Slow start speed setup	■	■
Work with sensor (on / off)	■	■
Setup fastening thread range	■	■
Setup fastening time range	■	■
Setup fastening torque range	■	■
I/O signal (Optocoupler)	■	■
RS-232 interface for data output	■	■
Data interface (Storage/Barcode scanner)	By RS-232	By USB/RS-232
Slot for SD memory card		■
Error code	■	■
Auto learning	■	■
Offset setting	■	■
External start	■	■
External reverse	■	■
External disable tool	■	■
External confirm	■	■
Built-in power supply		■
Interface		Ethernet

STEP 1

Data Base (99 different screw size)

&

Tools (from 0.02 N.m ~ 50 N.m)

STEP 2

Job Setup